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Serigraphed antenna for the rear window of a saloon-
type car

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This application is a 371 of PCT/FR05/00268 dated 2/7/2005.

5 The present invention relates to antennas used on motor vehicles, more particularly antennas screen printed on the rear window of such vehicles and especially saloon type motor vehicles.

10 The antennas intended to be fitted onboard touring or commercial vehicles are increasingly integrated so that they are no longer visible from outside the vehicle, so affording the latter a more harmonious appearance, in line with the current tastes of the public. The drawbacks associated with the use of projecting
15 equipment, which relate to aerodynamics, noise, vibration, seal tightness and vandalism, are thus strongly reduced.

20 It is important for the antenna to be placed in an environment such that it can continue to provide its essential function which consists in transducing an electromagnetic field (outside the vehicle) into an electrical signal that can be used by a radio device.

25 A trade-off therefore always has to be found, between the position of the antenna that is required to be as little visible as possible and its radiation performance characteristics that are affected all the more so when the radiative structure of the antenna is
30 incorporated in the vehicle and in particular close to its metallic parts.

35 On the other hand, motor vehicle manufacturers are strongly interested in a single, so-called "multifunction" box, comprising a number of functions, which makes it possible to simplify integration into the vehicle and the running of the cables linking this box to the car radio reception device or to the device that requires signals received by the antenna.